

WHAT IS CLAIMED IS:

1. Polybutylene terephthalate having an intrinsic viscosity of 0.7 to 1.0 dL/g and an end carboxyl group concentration of 0.1 to 18 μ eq/g, which is produced in a presence of a catalyst comprising a titanium compound and a metal compound containing a metal of Group 2A of the Periodic Table.

2: Polybutylene terephthalate according to claim 1, wherein said polybutylene terephthalate has a crystallization temperature of 170 to 195°C as measured at a temperature drop rate of 20°C/min using a differential scanning colorimeter.

3. Polybutylene terephthalate according to claim 1 or 2, wherein said polybutylene terephthalate has an end vinyl group concentration of not more than 10 μ eq/g.

4. Polybutylene terephthalate according to any of claims 1 to 3, wherein a solution haze of a solution prepared by dissolving 2.7 g of said polybutylene terephthalate in 20 mL of a mixed solvent containing phenol and tetrachloroethane at a weight ratio of 3:2, is not more than 10%.

5. Polybutylene terephthalate according to any of claims 1 to 4, wherein said polybutylene terephthalate contains a cyclic dimer in an amount of not more than 1500 ppm.

6. Polybutylene terephthalate according to any of claims 1 to 5, wherein said polybutylene terephthalate contains a cyclic trimer in an amount of not more than 1000 ppm.

7. Polybutylene terephthalate according to any of claims 1 to 6, wherein said polybutylene terephthalate has an end methoxycarbonyl group concentration of not more than 0.5 μ eq/g.

8. Polybutylene terephthalate according to any of claims 1 to 7, wherein said polybutylene terephthalate contains titanium in an amount of not more than 80 ppm, calculated as a titanium atom.

9. Polybutylene terephthalate according to any of claims 1 to 8, wherein said polybutylene terephthalate contains a metal of Group 2A of the Periodic Table in an amount of not more than 50 ppm, calculated as a metal atom

of Group 2A of the Periodic Table.

10. Polybutylene terephthalate according to any of claims 1 to 9, wherein said metal of Group 2A of the Periodic Table is magnesium.

11. Polybutylene terephthalate according to any of claims 1 to 10, wherein said end carboxyl group concentration is in the range of 1 to 10 $\mu\text{eq/g}$.

12. Polybutylene terephthalate according to any of claims 1 to 11, wherein said intrinsic viscosity is in the range of 0.8 to 0.9 dL/g.

13. Polybutylene terephthalate according to any of claims 1 to 12, wherein an increase in said end carboxyl end group concentration except for that due to a hydrolysis reaction of the polybutylene terephthalate is in the range of 0.1 to 30 $\mu\text{eq/g}$ when the polybutylene terephthalate, is heat-treated in an inert gas atmosphere at 245°C for 40 min.

14. Polybutylene terephthalate as defined in any of claims 1 to 13, which is obtained by a production process including a continuous esterification process adopting a direct polymerization method.